

ABSTRACT OF THE DISCLOSUREBIOCHIP PRODUCTION METHOD AND BIOCHIP

The present invention relates to a method to produce a biochip and to a biochip, said biochip being composed particularly of biological probes grafted onto a conductive polymer.

5       The method according to the invention comprises the following steps:

10       a) structuring of a substrate so as to obtain on said substrate microtroughs comprising in their base a layer of a material capable of initiating and promoting the adhesion onto said layer of a film of a pyrrole and functionalised pyrrole copolymer by electropolymerisation,

15       b) collective electropolymerisation, so as to form an electropolymerised film of a pyrrole and functionalised pyrrole copolymer on the base of said microtroughs,

      c) direct or indirect fixation of functionalised oligonucleotides by microdeposition or a liquid jet printing technique.